

Weekly Report

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Feiran Wu

1 Introduction

This week I spend 4 days in Guilin to join the HPC 2013.

Since this conference faces to the high performance calculation, there are many corporations and research institutions participant and show their products. Apart from some business sections, many research institutions deliver the lecture or paper in the terms of the algorithms optimization and evaluation on the their supercomputer such as Tianhe-2, Sunway BlueLight MPP. Which means their research focuses on the computer underlying implementation such as computer architecture and operating system. So these papers' style is quite different with visualization.

I have listened to most of the reports in the main session (there are many parallel sessions, our reports are in one of them) including some reports of visualization. The high performance computing in biology attracts me since their research uses many visualization and data mining method. For example, as [1] shown, they use the clustering method based on a graph to find the similarity and correlation of different virus in China. If we have the data and know the demand as [1] did, I think this would be a good topic to write a visualization paper.

[1] Xiangjun Du et al & Taijiao Jiang. Mapping of H3N2 influenza antigenic evolution in China reveals a strategy for vaccine strain recommendation. Nature Communications, 2012; 3:709. DOI: 10.1038/ncomms1710. http://www.researchgate.net/publication/221714665_Mapping_of_H3N2_influenza_antigenic_evolution_in_China_reveals_a_strategy_for_vaccine_strain_recommendation/file/d912f5076f71e920c9.pdf